

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-20714	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT	
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY, L.P.				9. WELL NAME and NUMBER: NBU 1022-19i	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078			PHONE NUMBER: (435) 781-7060	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2135' FSL 460' FEL AT PROPOSED PRODUCING ZONE: <i>630399 X 39.932894</i> <i>4421214 Y -109.473925</i>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 20.7 MILES SOUTHEAST OF OURAY, UTAH				12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 460'		16. NUMBER OF ACRES IN LEASE: 320		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C		19. PROPOSED DEPTH: 8,650		20. BOND DESCRIPTION: RLB0005238	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5265.4' GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: TO BE DETERMINED	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
	14"	40	
12 1/4"	9 5/8" H-40 32.3#	1,800	PREM CMT 265 SX 1.18 15.6
7 7/8"	4 1/2" I-80 11.6#	8,650	PREM LITE II 400 SX 3.38 11
			50/50 POZ G 1350 SX 1.31 14.3

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) DEBRA DOMENICI

TITLE ASSOC. ENVIRONMENTAL ANALYST

SIGNATURE *Debra Domenici*

DATE 2/8/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-37781

Approved by the
Utah Division of
Oil, Gas and Mining

APPROVAL:

Date: 03-22-06

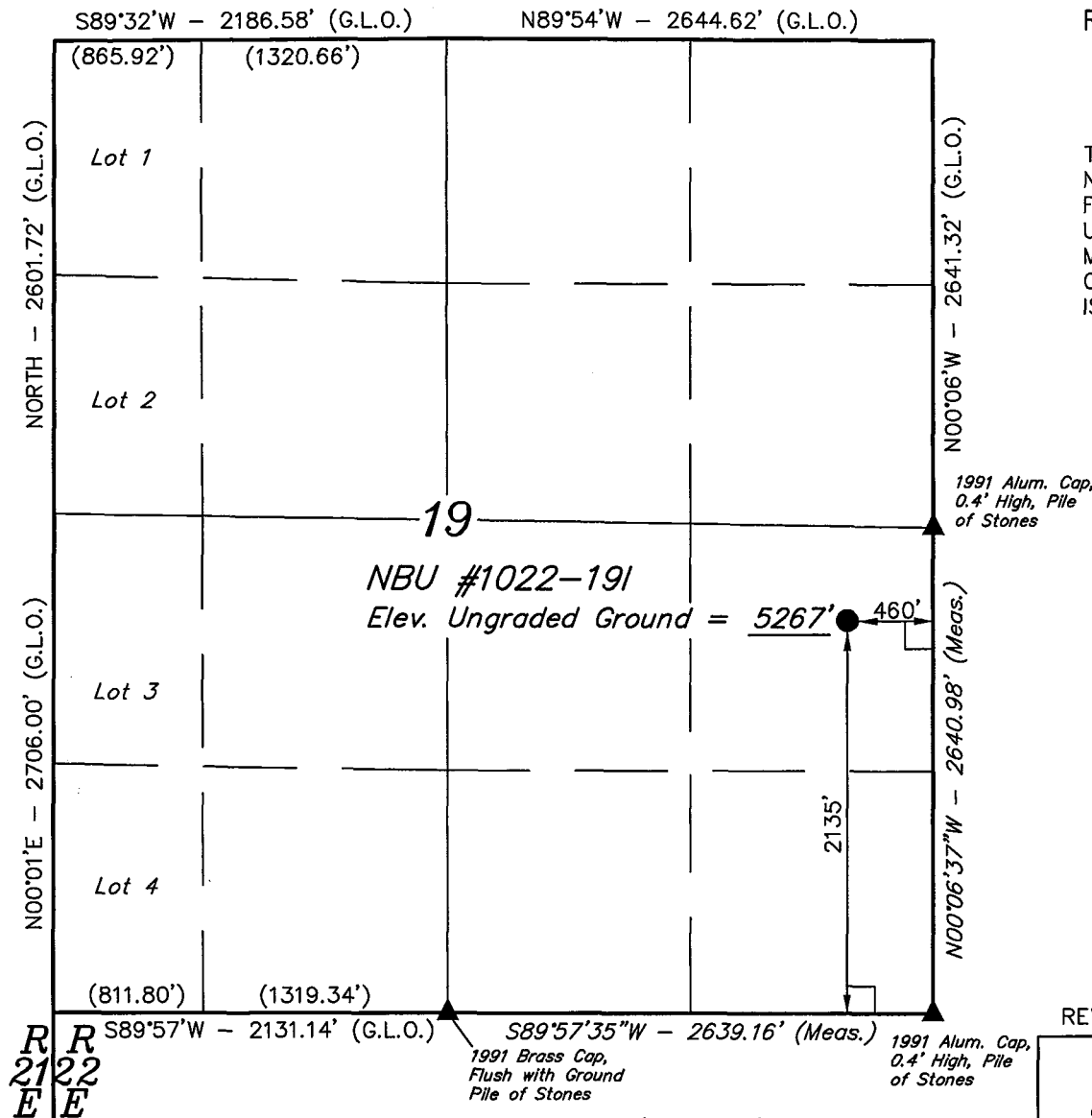
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DIV. OF OIL, GAS & MINING

T10S, R22E, S.L.B.&M.

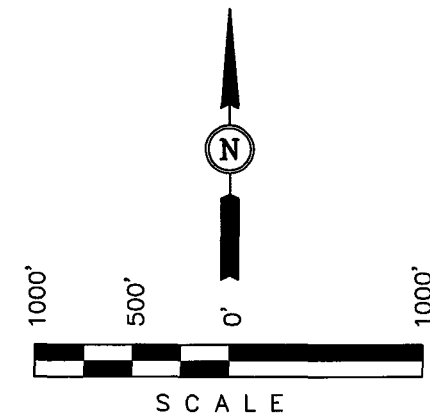
Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-19I, located as shown in the NE 1/4 SE 1/4 of Section 19, T10S, R22E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATION

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
KAY
REGISTRATION NO. 10331
STATE OF UTAH

REVISED: 01-13-06

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°55'58.87" (39.933019)
LONGITUDE = 109°28'28.83" (109.474675)
(NAD 27)
LATITUDE = 39°55'58.99" (39.933053)
LONGITUDE = 109°28'26.37" (109.473992)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-30-05	DATE DRAWN: 09-22-05
PARTY D.K. L.K. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE KERR MCGEE OIL & GAS	

NBU 1022-19I
NESE SEC 19-T10S-R22E
UINTAH COUNTY, UTAH
ML-20714

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1140'
Wasatch	4325'
Mesaverde	6700'
TD	8650'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1140'
Gas	Wasatch	4325'
Gas	Mesaverde	6700'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8650' TD, approximately equals 5363 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3460 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.



Kerr-McGee Oil & Gas Onshore LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1800	32.30	H-40	STC	0.77*****	1.76	4.99
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8650	11.60	M-80 or I-80	LTC	2.63	1.31	2.30

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 10.8 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoys.Fact. of water)

MASP 2955 psi

***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
Option 2	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,820'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	4,830'	50/50 Poz/G + 10% salt + 2% gel	1350	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

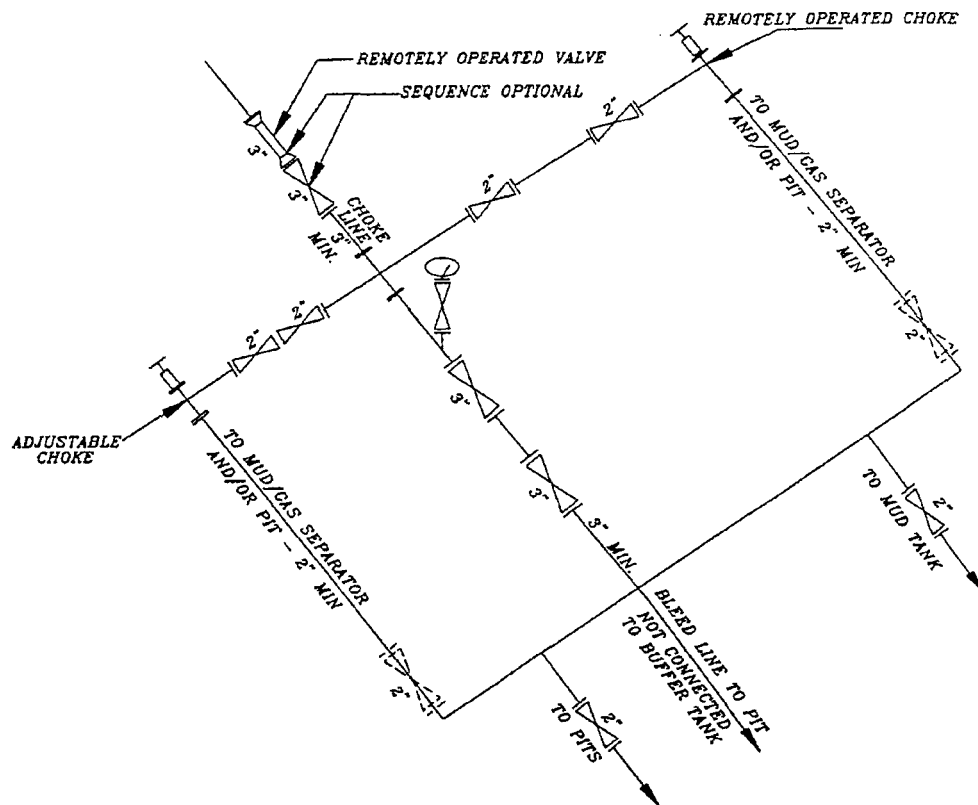
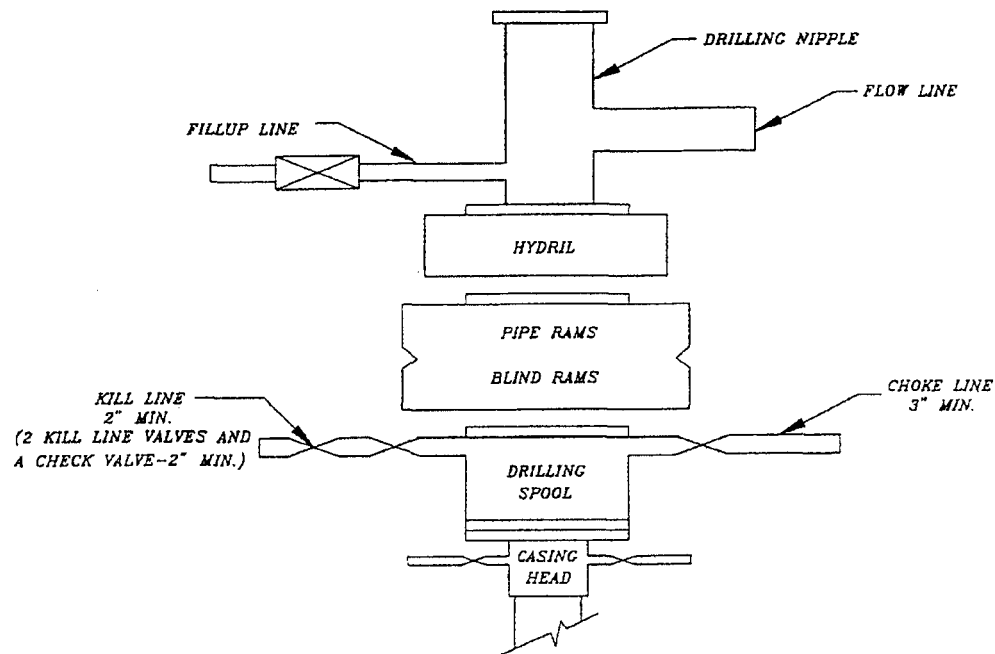
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 1022-19I
NESE SEC 19-T10S-R22E
Uintah County, UT
ML-20714

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 0.25 miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 1056' of pipeline is proposed. Refer to Topo D for the proposed pipeline.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. **Surface Ownership:**

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. **Other Information:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certification:**

Debra Domenici
Associate Environmental Analyst
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7060

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

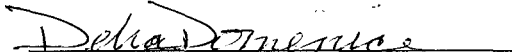
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Debra Domenici

2/8/2006

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-19I
SECTION 19, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SHEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.7 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-19I

LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

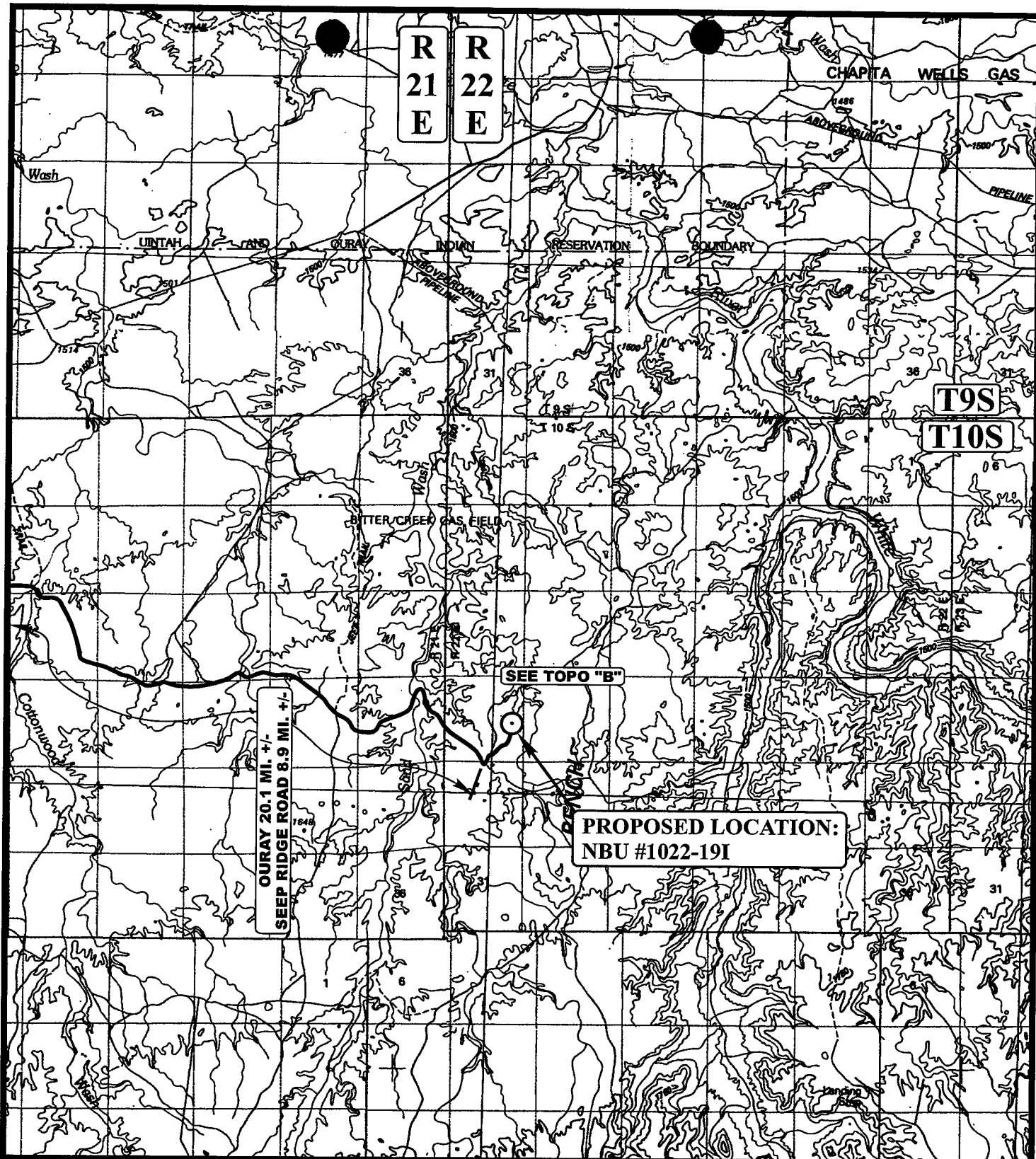
09 21 05
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 01-15-06



LEGEND:

⊙ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-19I

SECTION 19, T10S, R22E, S.L.B.&M.

2135' FSL 460' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

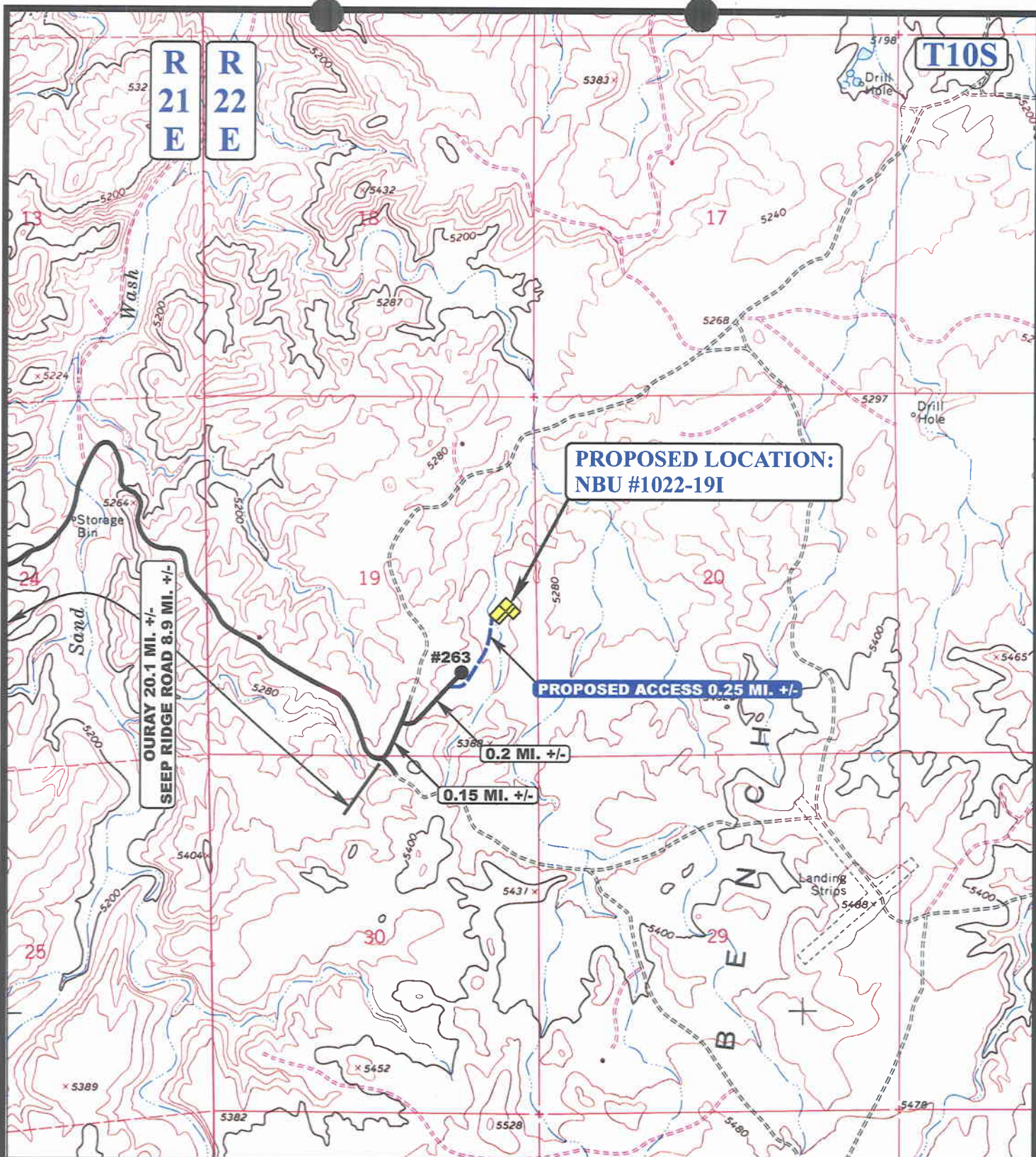
09 21 05
MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 01-15-06





LEGEND:

EXISTING ROAD
 PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-19I

SECTION 19, T10S, R22E, S.L.B.&M.

2135' FSL 460' FEL



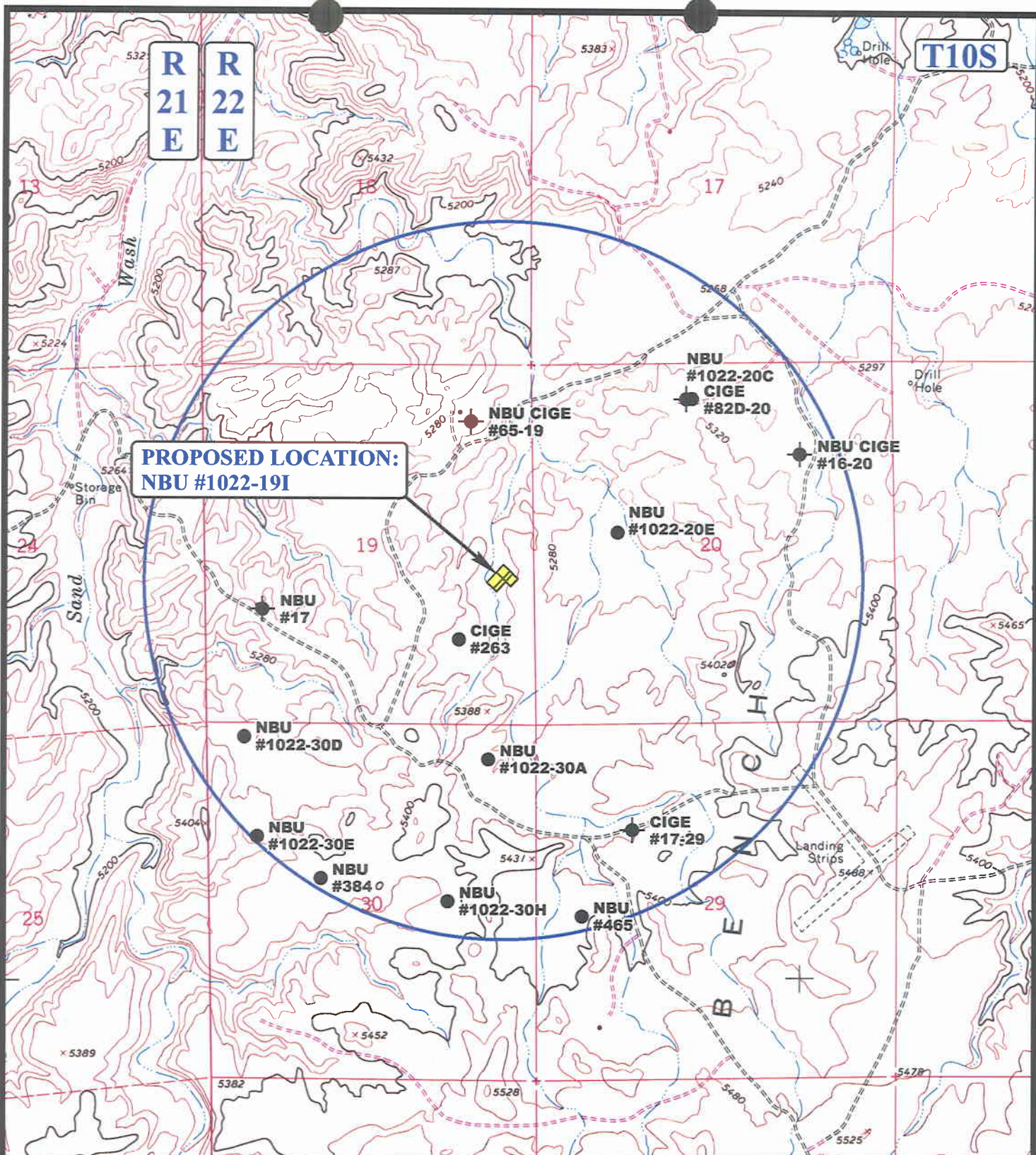
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

09 21 05
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 01-15-06





LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ⊗ ABANDONED WELLS |
| ⊗ SHUT IN WELLS | ⊗ TEMPORARILY ABANDONED |



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-19I

SECTION 19, T10S, R22E, S.L.B.&M.

2135' FSL 460' FEL



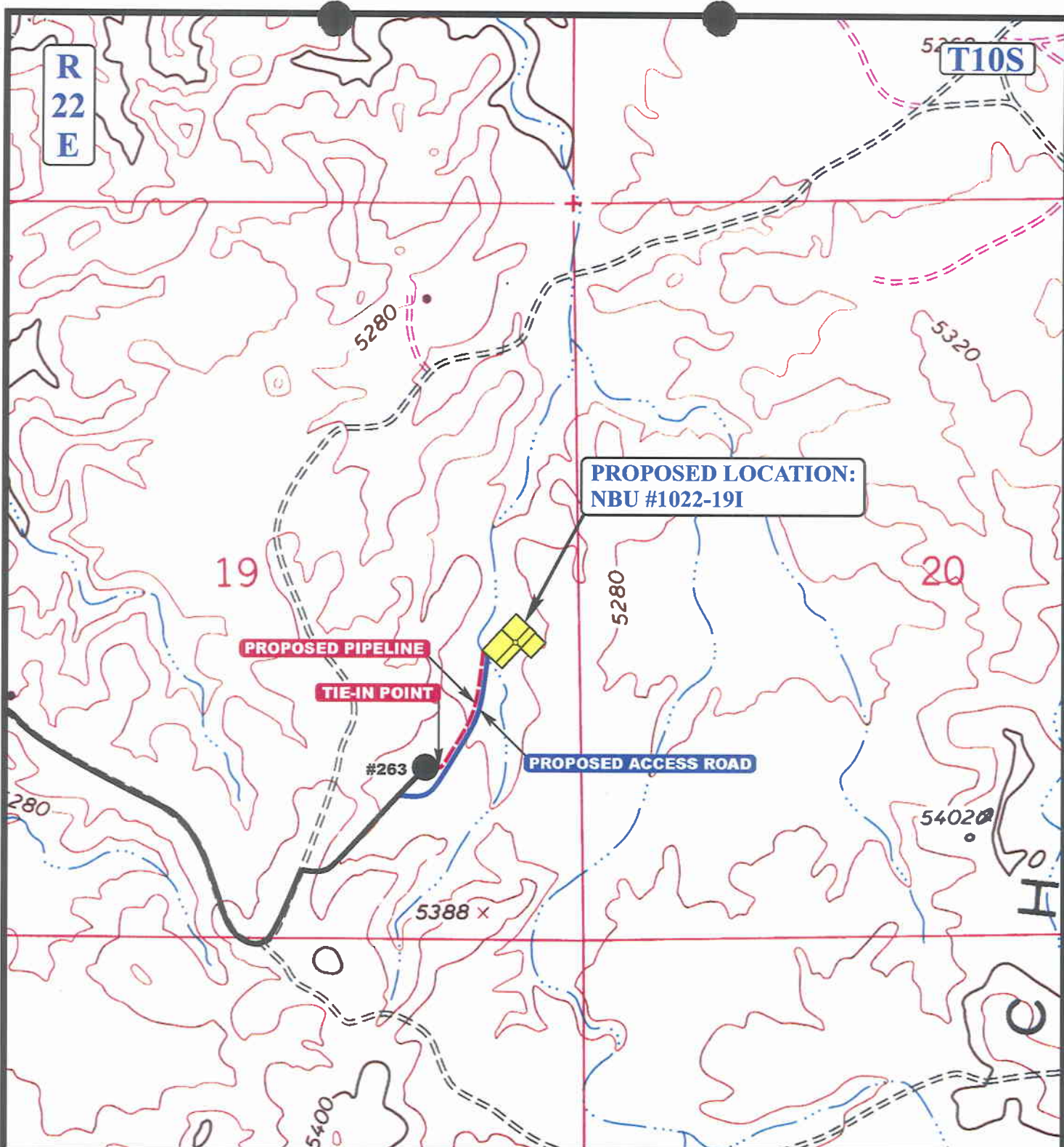
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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

09 21 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 01-15-06





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,056' +/-

LEGEND:

 **PROPOSED ACCESS ROAD**
 **PROPOSED PIPELINE**



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-19I

SECTION 19, T10S, R22E, S.L.B.&M.

2135' FSL 460' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

09 21 05
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 01-15-06

**D
TOPO**

NBU #1022-19I
SECTION 19, T10S, R22E, S.L.B.&M.
2135' FSL, 460' FEL



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

TYPICAL CROSS SECTIONS FOR

NBU #1022-19I

SECTION 19, T10S, R22E, S.L.B.&M.

2135' FSL 460' FEL

X-Section
Scale

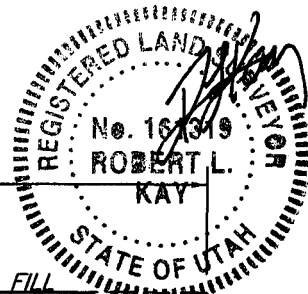
1" = 20'
1" = 50'

DATE: 09-22-05

Drawn By: L.K.

REVISED: 01-13-06

Preconstruction
Grade



STA. 3+50

STA. 1+50

STA. 0+25

STA. 0+00

Slope = 1 1/2:1
(Typ.)

NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,750 Cu. Yds.
Remaining Location	= 6,700 Cu. Yds.
TOTAL CUT	= 8,450 CU.YDS.
FILL	= 5,310 CU.YDS.

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

EXCESS MATERIAL = 3,140 Cu. Yds.

Topsoil & Pit Backfill
(1/2 Pit Vol.) = 3,140 Cu. Yds.

EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/14/2006

API NO. ASSIGNED: 43-047-37781

WELL NAME: NBU 1022-19I

OPERATOR: WESTPORT OIL & GAS CO (N2115)

CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

NESE 19 100S 220E

SURFACE: 2135 FSL 0460 FEL

BOTTOM: 2135 FSL 0460 FEL

COUNTY: Uintah

LATITUDE: 39.93289 LONGITUDE: -109.4739

UTM SURF EASTINGS: 630399 NORTHINGS: 4421214

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	D & D	3/2/06
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-20714

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. RLB0005236)

☐ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-8496)

☐ RDCC Review (Y/N)
(Date:)

☐ Fee Surf Agreement (Y/N)

☐ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.

Unit: NATURAL BUTTES

☐ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☐ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-99

Siting: 460' fr w. l. g. & uncomm. tract

☐ R649-3-11. Directional Drill

COMMENTS:

Needs Push (02-23-06)

STIPULATIONS:

1- OIL SHALE

2- STATEMENT OF BASIS

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: Westport Oil & Gas Company, L.P.
WELL NAME & NUMBER: NBU 1022-19I
API NUMBER: 43-047-37781
LOCATION: 1/4,1/4 NE/SE Sec: 19 TWP: 10S RNG: 22E ; 2135' FSL 460' FEL

Geology/Ground Water:

Westport proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 19. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The production casing cement should be brought above the base of the moderately saline groundwater to isolate it from fresher waters uphole.

Reviewer: Brad Hill **Date:** 03/01/06

Surface:

The pre-drill investigation of the surface was performed on February 23, 2006. The site is State surface and State Mineral. The proposed location poses no obvious problems for drilling and appears to be the best location for drilling a well in the immediate area. One small drainage which intersects the location is planned for diversion around the pad.

Ed Bonner and Jim Davis of SITLA and Ben Williams of UDWR were invited to attend the presite on Feb.14, 2006. Mr. Davis and Mr. Williams attended.

Mr. Williams of the UDWR stated that the area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. No other wildlife are expected to be affected. He gave Mr. Davis and Mr. Estes copies of his write-up and a DWR recommended seed mix to use on the reserve pit and when closing the location.

This predrill investigation was conducted on a cool sunny day.

Reviewer: David Hackford **Date:** 02/27/2006

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 16 mils with a felt sub-liner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Westport Oil & Gas Company, L.P.
WELL NAME & NUMBER: NBU 1022-19I
API NUMBER: 43-047-37781
LEASE: ML-20714 **FIELD/UNIT:** Natural Buttes
LOCATION: 1/4, 1/4 NE/SE Sec: 19 TWP: 10S RNG: 22E ; 2135' FSL 460' FEL
LEGAL WELL SITING: 460' from unit boundary and uncommitted tracts.
GPS COORD (UTM): 4421232 Y 0630395 X **SURFACE OWNER:** State of Utah
(SITLA)

PARTICIPANTS

Floyd Bartlett, David Hackford (DOGM), Carol Estes, Debra Domenici, Clay Einerson (Westport), David Kay, Luke Kay (Uintah Engineering & Land Survey), Jim Davis (SITLA), Ben Williams (Utah Division of Wildlife Resources).

REGIONAL/SETTING TOPOGRAPHY

General area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 22 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 4 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

This site is in the bottom of a very shallow draw which runs gently to the north. Ridges to the east and west have layered sandstone outcrops and ledges. One small drainage intersects the location and is planned to be diverted around the pad. No drainage problems are expected to occur.

SURFACE USE PLAN

CURRENT SURFACE USE: Sheep grazing, limited hunting and recreation.

PROPOSED SURFACE DISTURBANCE: Location of 350'x 193' and a reserve pit of 70' x 150'x 10 feet deep and an additional 15' wide bench. Approximately 0.25 miles of new road will be required. All material for the location and road will be obtained onsite.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS data base.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production

facilities will be on location and added after drilling well. Pipeline will follow access road.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be obtained from the site.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST CONCERNS? (EXPLAIN). Unlikely, as the general use in the area is oil-field related with numerous other wells in the surrounding area.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: A poor desert type vegetation consisting of greasewood, shadscale, horsebrush and curly mesquite. Antelope, rabbits, small reptiles, birds and mammals. Sheep graze the area in the winter.

SOIL TYPE AND CHARACTERISTICS: Gravely sandy clay loam.

EROSION/SEDIMENTATION/STABILITY: Little natural erosion. Sedimentation and stability are not a problem and location construction shouldn't cause an increase in stability or erosion problems. One small drainage intersects the location and will be diverted around the pad.

PALEONTOLOGICAL POTENTIAL: Survey completed by IPC on 9/27/05 and furnished for the file.

RESERVE PIT

CHARACTERISTICS: 70' by 150' and 10' deep. The reserve pit is all within cut on the east side of the location. A 15' wide bench is planned around the outer edges and 2' of freeboard.

LINER REQUIREMENTS (Site Ranking Form attached): Level 1 sensitivity. A 16 mil liner with a felt pad will be required for the reserve pit.

SURFACE RESTORATION/RECLAMATION PLAN

As per SITLA requirements.

SURFACE AGREEMENT:

As per SITLA requirements.

CULTURAL RESOURCES/ARCHAEOLOGY: Site was surveyed by MOAC on 9/21/05. A copy has been furnished to SITLA.

OTHER OBSERVATIONS/COMMENTS

Ben Williams of the UDWR stated that the area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. No other wildlife is expected to be affected.

This predrill investigation was conducted on a cool sunny day.

ATTACHMENTS

Photos of this site were taken and placed on file.

DAVID HACKFORD
DOGM REPRESENTATIVE

02/23/06; 3:00 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Scores
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>10</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 25 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

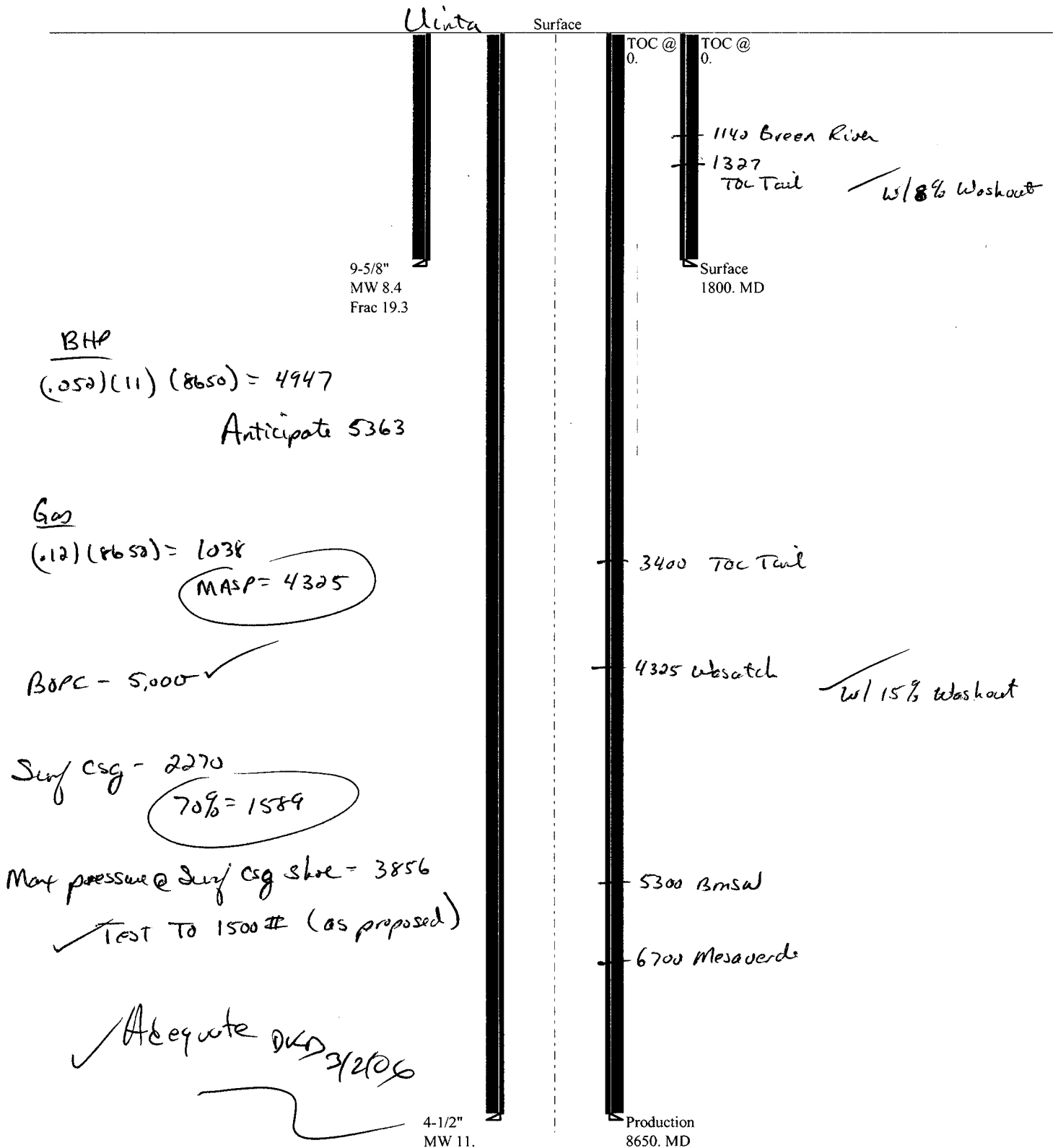
Sensitivity Level I = 15-19; lining is discretionary.

Sensitivity Level II = below 15; no specific lining is required.





Casing Schematic



Well name:	03-06 Westport NBU 1022-191	
Operator:	Westport Oil & Gas	Project ID:
String type:	Surface	43-047-37781
Location:	Uintah County, Utah	

Design parameters:
Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 100 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,584 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,800 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Re subsequent strings:

Next setting depth: 8,650 ft
Next mud weight: 11.000 ppg
Next setting BHP: 4,943 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,800 ft
Injection pressure 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	114.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	785	1370	1.744	1800	2270	1.26	51	254	4.98 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: (810) 538-5280
FAX: (801) 359-3940

Date: March 1, 2006
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	03-06 Westport NBU 1022-191		
Operator:	Westport Oil & Gas		
String type:	Production	Project ID:	43-047-37781
Location:	Uintah County, Utah		

Design parameters:
Collapse

Mud weight: 11.000 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 196 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,905 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 4,943 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 7,228 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8650	4.5	11.60	M-80	LT&C	8650	8650	3.875	200.5
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4943	6350	1.285	4943	7780	1.57	84	267	3.19 B

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: (810) 538-5280
FAX: (801) 359-3940

Date: March 1, 2006
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8650 ft, a mud weight of 11 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 2, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Wasatch-MesaVerde)

43-047-37738	NBU 1022-19F	Sec 19 T10S R22E 2239 FNL 1622 FWL
43-047-37739	NBU 1022-19D	Sec 19 T10S R22E 0732 FNL 0640 FWL
43-047-37740	NBU 1022-19C	Sec 19 T10S R22E 0896 FNL 1891 FWL
43-047-37765	NBU 1022-16J	Sec 16 T10S R22E 2302 FSL 1901 FEL
43-047-37766	NBU 1022-16P	Sec 16 T10S R22E 0724 FSL 0973 FEL
43-047-37767	NBU 1022-16L	Sec 16 T10S R22E 1904 FSL 0343 FWL
43-047-37768	NBU 1022-18H	Sec 18 T10S R22E 1947 FNL 0465 FEL
43-047-37769	NBU 1022-18G	Sec 18 T10S R22E 1870 FNL 1383 FEL
43-047-37770	NBU 1022-18I	Sec 18 T10S R22E 1592 FSL 0803 FEL
43-047-37771	NBU 1022-18E	Sec 18 T10S R22E 1656 FNL 0606 FWL
43-047-37772	NBU 1022-18J	Sec 18 T10S R22E 2158 FSL 2171 FEL
43-047-37773	NBU 1022-18N	Sec 18 T10S R22E 0125 FSL 1249 FWL
43-047-37774	NBU 1022-18B	Sec 18 T10S R22E 0818 FNL 2040 FEL
43-047-37775	NBU 1022-18P	Sec 18 T10S R22E 0169 FSL 0249 FEL
43-047-37776	NBU 1022-18D	Sec 18 T10S R22E 0765 FNL 0311 FWL
43-047-37777	NBU 1022-18O	Sec 18 T10S R22E 0134 FSL 2445 FEL
43-047-37783	NBU 1022-19K	Sec 19 T10S R22E 1509 FSL 1427 FWL
43-047-37778	NBU 1022-19H	Sec 19 T10S R22E 2298 FNL 1086 FEL
43-047-37779	NBU 1022-19B	Sec 19 T10S R22E 0696 FNL 2180 FEL
43-047-37780	NBU 1022-19G	Sec 19 T10S R22E 2069 FNL 2241 FEL
43-047-37781	NBU 1022-19I	Sec 19 T10S R22E 2135 FSL 0460 FEL
43-047-37782	NBU 1022-19O	Sec 19 T10S R22E 0740 FSL 2065 FEL
43-047-37734	NBU 1021-27E	Sec 27 T10S R21E 1862 FNL 0535 FWL
43-047-37728	NBU 1021-28G	Sec 28 T10S R21E 1952 FNL 1971 FEL
43-047-37721	NBU 1021-13C	Sec 13 T10S R21E 0576 FNL 1772 FWL
43-047-37722	NBU 1021-13A	Sec 13 T10S R21E 0651 FNL 1311 FEL

Page 2

43-047-37723 NBU 1021-13G	Sec 13 T10S R21E 1444 FNL 2651 FEL
43-047-37724 NBU 1021-13K	Sec 13 T10S R21E 1935 FSL 1486 FWL
43-047-37725 NBU 1021-13I	Sec 13 T10S R21E 2353 FSL 0668 FEL
43-047-37727 NBU 1021-13O	Sec 13 T10S R21E 0777 FSL 1573 FEL
43-047-37761 NBU 920-20P	Sec 20 T09S R20E 0769 FSL 0978 FEL
43-047-37760 NBU 920-20O	Sec 20 T09S R20E 0842 FSL 1913 FEL
43-047-37759 NBU 920-20N	Sec 20 T09S R20E 0803 FSL 1885 FWL
43-047-37758 NBU 920-20M	Sec 20 T09S R20E 0630 FSL 0838 FWL
43-047-37757 NBU 920-20L	Sec 20 T09S R20E 2104 FSL 0827 FWL
43-047-37756 NBU 920-20J	Sec 20 T09S R20E 1466 FSL 1653 FEL
43-047-37755 NBU 920-20I	Sec 20 T09S R20E 1955 FSL 0717 FEL
43-047-37732 NBU 920-22E	Sec 22 T09S R20E 2009 FNL 0756 FWL
43-047-37764 NBU 920-24M	Sec 24 T09S R20E 0614 FSL 0851 FWL
43-047-37753 NBU 920-14M	Sec 14 T09S R20E 0536 FSL 0612 FWL
43-047-37754 NBU 920-14N	Sec 14 T09S R20E 0732 FSL 1805 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files

From: Ed Bonner
To: Whitney, Diana
Date: 3/21/2006 2:04:01 PM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Delta Petroleum Corporation

Greentown State 36-11 (Cleared alternative location)
Greentown State 32-43 (Cleared alternative location)
Salt Valley State 25-12 (Cleared alternative road alignment)

EOG Resources, Inc

Natural Buttes Unit 438-19E
Natural Buttes Unit 439-19E
Natural Buttes Unit 562-19E
Natural Buttes Unit 563-19E
Natural Buttes Unit 565-30E

Gasco Production Company

Uteland State 21-2-10-18
Uteland State 12-2-10-18

QEP Uinta Basin, Inc

RW 24-16BG
BBE 9W-16-7-21

Westport Oil & Gas Company

NBU 1022-18G (two significant sites along pipeline corridor must be avoided)
NBU 1022-19B
NBU 1022-19H
NBU 1022-19I
NBU 1022-19O

If you have any questions regarding this matter please give me a call.

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 22, 2006

Westport Oil & Gas Company, LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 1022-19I Well, 2135' FSL, 460' FEL, NE SE, Sec. 19,
T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37781.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal District Office

Operator: Westport Oil & Gas Company, LP
Well Name & Number Natural Buttes Unit 1022-19I
API Number: 43-047-37781
Lease: ML-20714

Location: NE SE Sec. 19 T. 10 South R. 22 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2

43-047-37781

March 22, 2006

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING	
1. DJJ	
2. CDW	

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/6/2006

FROM: (Old Operator):
 N2115-Westport Oil & Gas Co., LP
 1368 South 1200 East
 Vernal, UT 84078
 Phone: 1-(435) 781-7024

TO: (New Operator):
 N2995-Kerr-McGee Oil & Gas Onshore, LP
 1368 South 1200 East
 Vernal, UT 84078
 Phone: 1-(435) 781-7024

CA No.		Unit:	NATURAL BUTTES UNIT					
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on:
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on:
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
 The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203

BIA BOND = RLB0005237

APPROVED 5/16/06

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Title

DRILLING MANAGER

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-20714
2. NAME OF OPERATOR: Kerr McGee Oil and Gas Onshore LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2135' FSL 460' FEL		8. WELL NAME and NUMBER: NBU 1022-191
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E		9. API NUMBER: 4304737781
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

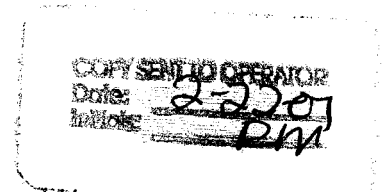
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MARCH 22, 2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-21-07
By: [Signature]



NAME (PLEASE PRINT) <u>RAMEY HOOPES</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE <u>[Signature]</u>	DATE <u>2/12/2007</u>

(This space for State use only)

RECEIVED
FEB 20 2007
DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737781
Well Name: NBU 1022-19I
Location: NESE, SEC 19-T10S-R22E
Company Permit Issued to: KERR MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 3/22/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Ramey Harper
Signature

2/12/2007

Date

Title: Regulatory Clerk

Representing: Kerr McGee Oil & Gas Onshore LP

RECEIVED
FEB 20 2007
DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Kerr McGee Oil & Gas Onshore LP

Well Name: NBU 1022-19I

API No: 43-047-37781 Lease Type: State

Section 19 Township 10S Range 22E County Uintah

Drilling Contractor Rocky Mountain Drilling Rig # Bucket

SPUDDED:

Date 5-13-07

Time 8:00 PM

How Dry

Drilling will Commence: _____

Reported by Lou Weldon

Telephone # 435-828-7035

Date 5-15-07 Signed RM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR KERR-MCGEE OIL & GAS ONSHORE LP
ADDRESS 1368 SOUTH 1200 EAST
VERNAL, UTAH 84078

OPERATOR ACCT. NO. N N2995

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	2900	4304737781	NBU 1022-191	NESE	19	10S	22E	UINTAH	5/13/2007	5/30/07
WELL 1 COMMENTS: MIRU BUCKET RIG SPUD WELL @ 0800 HRS ON 5/13/07 <i>WSMVD</i> SET 40' 14" SCHEDULE 10 PIPE BLM & STATE NOTIFIED OF SPUD											
A	99999	16128	4304737730	UTE TRIBAL 35-185	NESE	35	8S	20E	UINTAH	5/13/2007	5/30/07
WELL 2 COMMENTS: MIRU BUCKET RIG SPUD WELL @ 0800 HRS ON 5/13/07 <i>WSMVD</i> SET 50' 14" SCHEDULE 10 PIPE BLM & STATE NOTIFIED OF SPUD											
					QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 3 COMMENTS:											
					QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 4 COMMENTS:											
					QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single w
- B - Add new well to existing entity (group or u
- C - Re-assign well from one existing entity to.
- D - Re-assign well from one existing entity to.
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each (3489)

Post-It® Fax Note 7671		Date	# of pages 1
To: <i>Erlene Russell</i>	From: <i>Ramsey Hoopes</i>		
Co./Dept: <i>UT-DOGIM</i>	Co: <i>Kerr-McGee</i>		
Phone # <i>801-538-5336</i>	Phone # <i>435-791-7003</i>		
Fax # <i>801-359-3940</i>	Fax # <i>435-791-7044</i>		

Ramsey Hoopes
Signature
LAND SPECIALIST 05/14/07
Title Date
Phone No. 435-781-7003

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MAY 4 1 2007

MAY-14-2007 MON 03:41 PM 3

FAX NO. 435-781-7094

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-20714
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NATURAL BUTTES UNIT
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
PHONE NUMBER: (435) 781-7003		8. WELL NAME and NUMBER: NBU 1022-191
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2135' FSL 400' FEL		9. API NUMBER: 4304737781
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU-PETE MARTIN DRILLING. DRILL 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE.
DRILL RODENT HOLES FOR RIG 12 CMT W/28 SK READY MIX. SPUD WELL @ ~~1800~~ HRS ON ~~7/13/07~~

0800 5/13/07

BLM AND STATE NOTIFIED OF SPUD. WOAR.

NAME (PLEASE PRINT) RAMEY HOOPES	TITLE LAND SPECIALIST I
SIGNATURE <i>Ramey Hoopes</i>	DATE 5/14/2007

(This space for State use only)

RECEIVED
MAY 29 2007
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER:
(435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2135'FSL, 400'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-20714

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 1022-19I

9. API NUMBER:
4304737781

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SET SURFACE CSG
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG ON 05/20/2007. DRILLED 12 1/4" SURFACE HOLE TO 2025'. RAN 9 5/8" 32.3# H-40 SURFACE CSG. LEAD CMT W/170 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOT RETURN 50 BBLS INTO LEAD CMT NO CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 2ND TOP OUT W/225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. WOC. 3RD TOP OUT W/75 PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE AND HOLE STAYED FULL. WORT.

RECEIVED

MAY 29 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER:
(435) 781-7024

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2135'FSL, 460'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-20714

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 1022-19I

9. API NUMBER:
4304737781

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2025' TO 8740' ON 07/08/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W330 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1420 SX 50/50 POZ @14.3 PPG 1.31 YIELD. BUMP PLUG CHECK FLOATS. FLOATS HELD 70 BBLs CMT TO PIT. LOST RETURNS 15 BBL INTO DISPLACEMENT. CLEAN MUD TANKS.

RELEASED PIONEER RIG 69 ON 07/10/2007 AT 12:00 PM.

RECEIVED

JUL 17 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE



DATE 7/11/2007

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-20714
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		7. UNIT or CA AGREEMENT NAME UNIT #891008900A
3. ADDRESS OF OPERATOR: 1368 S 1200 E VERNAL UT 84078		8. WELL NAME and NUMBER: NBU 1022-191
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2135'FSL, 460'FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:		9. API NUMBER: 4304737781
10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E
12. COUNTY UINTAH		13. STATE UTAH

14. DATE SPUNDED: 5/13/2007	15. DATE T.D. REACHED: 7/8/2007	16. DATE COMPLETED: 8/5/2007	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5265'GL
18. TOTAL DEPTH: MD 8,740 TVD	19. PLUG BACK T.D.: MD 8,551 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL-CCL-GR			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3#		2,025		895			
7 7/8"	4 1/2 I-80	11.6#		8,740		1750			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7.434							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	4,894	4,917			4,894 4,917	0.36	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WASATCH/MESA	6,533	6,777			6,533 6,777	0.36	46	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) MESAVERDE	6,988	8,407			6,988 8,407	0.36	176	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4894'-4917'	PM 674 BBLS SLICK H2O & 24,709# 30/50 MESH SD
6533'-6777'	PMP1359 BBLS SLICK H2O & 48,644# 30/50 MESH SD
6988'-8407'	PMP 7659 BBLS SLICK H2O & 273,879# 30/50 MESH SD

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 8/5/2007	TEST DATE: 8/6/2007	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,496	WATER – BBL: 480	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 3,350	CSG. PRESS. 1,550	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED: 8/5/2007	TEST DATE: 8/6/2007	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,496	WATER – BBL: 480	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 3,350	CSG. PRESS. 1,550	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,138 6,646	6,646			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 9/5/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-20714

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 1022-191

9. API NUMBER:
4304737781

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
KERR McGEEOIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2135'FSL, 400'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input checked="" type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO PERFORM A WATER SHUT-OFF FOR THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO PMP CMT INTO PERFORATIONS AT 4894'-4897', 4907'-4911' AND 4914'-4917'.

PLEASE REFER TO THE ATTACHED WATER SHUT-OFF PROCEDURE.

COPY SENT TO OPERATOR

Date: 6-10-2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 6/5/2008

(This space for State use only)

RECEIVED

JUN 05 2008

DIV. OF OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6/5/08

BY: [Signature]

NBU 1022-19I WATER SHUT-OFF PROCEDURE

- 1) MIRU. N/D WH. N/U BOPE. POOH W/TUBING (EOT – 4690)
- 2) R/U WIRELINE AND LUBRICATOR. RIH W/GAUGE RING AND JUNK BASKET TO ~5100'. RIH AND W/4-1/2" CBP AND SET SAME @ ~4980'. POOH. RIH W/4-1/2" CICR ON TUBING AND SET SAME @ ~4800'.
- 3) FILL HOLE AND PRESSURE TEST CASING TO 2000 PSI. STING INTO CICR AND ESTABLISH INJECTION RATE.
- 4) R/U CEMENT COMPANY AND PUMP RECOMMENDED CEMENT JOB INTO PERFORATIONS AT 4894-4897', 4907-4911' AND 4914-4917'. REVERSE CIRCULATE TUBING CLEAN. POOH W/STINGER.
- 5) RIH W/ 3-7/8" BIT AND POBS. D-O CICR AND CEMENT TO ~4930'. PRESSURE TEST CASING AND PERFORATIONS TO 1500 PSI FOR 10 MINUTES. RESQUEEZE IF NECESSARY.
- 6) D-O CBP AND C-O TO PBTD @ ~8695'.
- 7) P/U TUBING AND LAND SAME AT ~7450'. PUMP-OFF BIT AND SUB. SHUT-IN FOR 30 MINUTES TO ALLOW BIT TO FALL TO BOTTOM.
- 8) N/D BOPE. N/U WH. RDMO AND RTP. SWAB WELL IN IF NECESSARY.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-20714
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2135'FSL, 400'FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E		8. WELL NAME and NUMBER: NBU 1022-19I
PHONE NUMBER: (435) 781-7024		9. API NUMBER: 4304737781
		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input checked="" type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

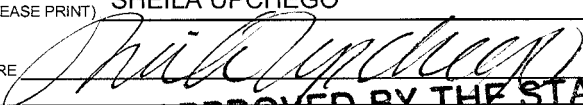
THE OPERATOR REQUESTS AUTHORIZATION TO PERFORM A WATER SHUT-OFF FOR THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO PMP CMT INTO PERFORATIONS AT 4894'-4897', 4907'-4911' AND 4914'-4917'.

PLEASE REFER TO THE ATTACHED WATER SHUT-OFF PROCEDURE.

COPY SENT TO OPERATOR

Date: 6-24-2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 6/5/2008

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6/23/08
BY: [Signature]

(See Instructions on Reverse Side)

RECEIVED

JUN 09 2008

DIV. OF OIL, GAS & MINING

NBU 1022-19I WATER SHUT-OFF PROCEDURE

- 1) MIRU. N/D WH. N/U BOPE. POOH W/TUBING (EOT – 4690)
- 2) R/U WIRELINE AND LUBRICATOR. RIH W/GAUGE RING AND JUNK BASKET TO ~5100'. RIH AND W/4-1/2" CBP AND SET SAME @ ~4980'. POOH. RIH W/4-1/2" CICR ON TUBING AND SET SAME @ ~4800'.
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- 8) N/D BOPE. N/U WH. RDMO AND RTP. SWAB WELL IN IF NECESSARY.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-20714
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: NBU 1022-19I
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2135'FSL, 400'FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 19 10S 22E		9. API NUMBER: 4304737781
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

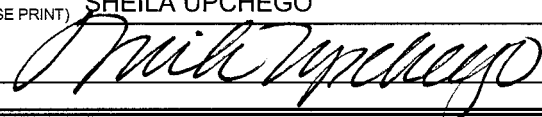
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 6/10/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input checked="" type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ON 06/04/2008 THE OPERATOR PERFORMED AN WATER SHUT-OFF ON THE SUBJECT WELL LOCATION. THE OPERATOR PMP CMT INTO PERFORATIONS AT 4894'-4897', 4907'-4911' AND 4914'-4917'.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
JUN 23 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 6/19/2008

(This space for State use only)

WINS No.: 93646

NBU 1022-191

Start Date: 6/4/2008

AFE No.: 88007085

Operation Summary Report

End Date: 6/10/2008

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 6/28/07	GL 5,267	KB 5285	ROUTE
API 4304737781	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Lat./Long.: Lat./Long.: 39.93302 / -109.47468			Q-Q/Sect/Town/Range: NESE / 19 / 10S / 22E		
Footages: 2,135.00' FSL 460.00' FEL					
MTD 8740	TVD 0	LOG MD	PBMD 8551	PBTVD 8551	

EVENT INFORMATION: EVENT ACTIVITY: WORKOVER / REPAIR
OBJECTIVE: SECONDARY
OBJECTIVE2: OTHER

REASON: WSO
DATE WELL STARTED/RESUMED:
Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

DOUBLE HOOK / UNK

06/04/2008

06/10/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
6/4/2008							
SUPERVISOR: FRANK WINN							
	7:00 - 17:00	10.00	WO/REP	30	P		HSM. RDSU. ROAD RIG AND EQUIP FROM NBU 1022-211 TO LOCATION. RUSU. SICP 1100. PUMP 15 BBLs DOWN TBG. ND WH. NU BOP. UNLAND TBG FROM 7434'. LUB OUT AND LD 4" 10K HANGER. POOH AS SB 90-JTS 2-3/8" J-55 TBG. HAVE 154-JTS IN W/ EOT 4690'. MIRU PLS AND RUN TEMP LOG. TOOL FAILED ON 1st RUN. RBIH AND RUN TEMP LOG W/ WELL STATIC. OPEN CSG TO PIT AND LET FLOW AS MAKE 2 PASSES W/ WELL FLOWING. RDMO PLS EWL. SDFN.

6/5/2008

SUPERVISOR: FRANK WINN

7:00 - 17:00	10.00	WO/REP	30	P	HSM. SITP 950, SICP 950. PUMP 8 BBLs DOWN TBG. FIN POOH AS SB 154-JTS 2-3/8" J-55 TBG (244-JTS TOT). CONTROL WELL W/ 40 BBLs. LD R-NIPPLE. WO EWL. MIRU PLS. RIH W/ 3.678" GR/JB. RIH W/ BAKER 8K CBP AND SET AT 4990'. RDMO PLS. MU AND RIH W/ 4-1/2" CICR W/ MECH SETTING TOOL ON 157 JTS 2-3/8" J-55 TBG. SET CICR AT 4787'. FILL TBG W/ 11 BBLs AND P-TEST TBG TO 2300 PSI, GOOD. FILL ANN W/ 27 BBLs AND P-TEST CSG TO 2000 PSI. GOOD. RELEASE FROM CICR. FILL HOLE 7 BBLs AND REV CIRC 22 BBLs. STING BACK INTO CICR AND PUMP 15 BBLs TO CATCH PRESSURE. EST INJ RATE OF 3 BPM AT 450 PSI AFTER PUMPING 10 BBLs. ISIP 0. SWIFN.
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6/6/2008

SUPERVISOR: FRANK WINN

7:00 - 15:00	8.00	WO/REP	30	P	HSM. SIP'S 0. MIRU BIG 4. HSM. P-TEST LINES TO 2500. PUT 500 ON CSG. PUMP 20 BBLs FRESH (18 BBLs TO CATCH PRESSURE), PUMP 100 SX 'G' CMT W/ 2% CAL CHLOR. PUMP 100 SX NEAT 'G'. PRESSURE START COMING UP AS FIN PUMPING NEAT 'G'. DISPLACE W/ 15 BBLs FRESH AS GET WALKING SQUEEZE TO 2500 PSI. SHUT DOWN AND STAGE 1-TIME. PSI AT 2500. UNSTING FROM CICR AND REVERSE CIRC 30 BBLs. (REV OUT 5 BBLs CMT). RDMO BIG 4. POOH W/ 157-JTS 2-3/8" TBG. MU 3-7/8" BIT, BIT SUB, 1.87" XN AND RIH W/ 136-JTS 2-3/8" TBG. SDFN W/ EOT AT 4145'.
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6/9/2008

SUPERVISOR: FRANK WINN

EVENT INFORMATION:	EVENT ACTIVITY: WORKOVER / REPAIR	REASON: WSO
	OBJECTIVE: SECONDARY	DATE WELL STARTED/RESUMED:
	OBJECTIVE2: OTHER	Event End Status: COMPLETE

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
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DOUBLE HOOK / UNK	06/04/2008	06/10/2008
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Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
	7:00 - 16:30	9.50	WO/REP	30		P	HSM. SIP'S 0. CONT RIH W/ 21-JTS TO TAG CMT AT 4782' W/ 157-JTS IN. RU DRLG EQUIP. EST REV CIRC. D/O 5' CMT TO CIRC AT 4787'. D/O CMT TO 4932' W/ 162-JTS IN. CIRC CLEAN. P-TEST CSG TO 1000 PSI. GOOD. RD PWR SWIVEL. POOH AS LD 4-JTS AND SB 158-JTS. LD BIT AND BIT SUB. MU 3-7/8" BIT, FLOAT SUB, POBS, 1.87" XN-NIPPLE AND RIH W/ 164 JTS 2-3/8" J-55 TBG TO TAG CBP AT 5009' (SET AT 4990' EWL). LD-1 JT. SDFN W/ 163-JTS IN, EOT 4977'.

6/10/2008

SUPERVISOR: FRANK WINN

7:00 - 17:30	10.50	WO/REP	30	A	P	<p>HSM. SIP'S 0. PU 1-JT AND RU PWR SWIVEL W/ JT #165. START AIR/FOAM DOWN TBG. HIGH PRESSURE 1600 PSI. UNLOAD HOLE. D/O CBP WLSET AT 4990' (SLM 5009') IN 8-MIN. 200 PSI INCREASE. RUN #166 W/ SWIVEL. CONTROL TBG W/ 11 BBLS 2%. HANG PWR SWIVEL. LD 4-JTS AND STRING FLOAT. CONT RIH W/ 81-JTS IN DERRICK, MEAS AND PU 27-JTS TO TAG FILL AT 8226' W/ 270 JTS IN. PU PWR SWIVEL AND START AIR/FOAM DOWN TBG. HIGH PRESSURE 1500 PSI. C/O 387' FILL FROM 8226' TO 8613' W/ 282-JTS IN. CIRC CLEAN. CONTROL TBG W/ 11 BBLS 2%. RD PWR SWIVEL. POOH AS LD-12 JTS TO STRING FLOAT. DROP BALL AND PUMP 40 BBLS 2%. DID NOT SEE BIT SUB RELEASE. (TBG VOL 32 BBLS). POOH AS LD 25-JTS. LUB IN 4" 10K HANGER AND LAND 245-JTS 2-3/8" J-55 TBG W/ EOT AT 7456.59'. RU SANDLINE AND RUN 1.90" BROACH TO SN. GOOD. RD SANDLINE. RD FLOOR. ND BOP. NU WH. SICP 250. HOOK UP LINE AND LET FLOW TO PIT. GOOD BLOW AS UNLOAD WTR FOR 1 HR. SWI AT 18:00. RDMO IN AM.</p> <table border="0"> <tr> <td>TBG DETAIL</td> <td>KB</td> <td>18.00</td> <td>LTR 20</td> </tr> <tr> <td>BBLS.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4" 10K FMC HANGER</td> <td></td> <td>.83</td> <td></td> </tr> <tr> <td>245-JTS 2-3/8" J-55 TBG</td> <td></td> <td>7435.56</td> <td></td> </tr> <tr> <td>POBS W/ 1.87" XN NIPPLE</td> <td></td> <td>2.20</td> <td></td> </tr> <tr> <td>EOT</td> <td></td> <td>7456.59</td> <td></td> </tr> </table>	TBG DETAIL	KB	18.00	LTR 20	BBLS.				4" 10K FMC HANGER		.83		245-JTS 2-3/8" J-55 TBG		7435.56		POBS W/ 1.87" XN NIPPLE		2.20		EOT		7456.59	
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